METHODS AND SYSTEMS FOR TRANSACTION RECORD DELIVERY USING THRESHOLDS AND MULTI-STAGE PROTOCOL

ABSTRACT OF THE DISCLOSURE

The present invention provides systems and methods for conducting electronic transactions in a distributed computing environment. A communications protocol is provided that enables reliable transactional state synchronization for peers participating in a distributed transaction. A transaction processing application is deployed on a local computer system to manage transactions thereon. The local computer system contacts a remote computer system to obtain authorization to execute a transaction. The local computer system initiates a failure-recovery job that is operable to automatically resend status signals and other information to the remote system if the communication with the remote system exhibits certain predefined fault conditions. The remote system is able to dynamically adjust the definition of the predefined fault conditions. If the transaction concludes without triggering the predefined fault conditions, the failure-recovery job is cancelled. The transaction processing application may also allow deferred transactions between remote parties. The transaction processing application maintains a record of the transactions performed by the consumer on the consumer's local system. Upon the occurrence of predefined conditions, transactional records are sent to a remote vendor or clearinghouse. The vendor or clearinghouse can manage the risk it bears by setting the predefined conditions appropriately.